

Warehousing and Storage: 2002

Issued November 2004

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2002 Economic Census

Transportation and Warehousing

Industry Series



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-- Not applicable for this report.

Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in "2" and "7."

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the federal government use the data to monitor economic activity and to assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

INDUSTRY CLASSIFICATIONS

Data from the 2002 Economic Census are published primarily according to the 2002 North American Industry Classification System (NAICS). NAICS was first adopted in the United States, Canada, and Mexico in 1997. The 2002 Economic Census covers the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Food Services
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), largely covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 100 subsectors (three-digit codes), 317 industry groups (four-digit codes), and, as implemented in the United States, 1,179 industries (six-digit codes).

RELATIONSHIP TO HISTORICAL INDUSTRY CLASSIFICATIONS

Prior to the 1997 Economic Census, data were published according to the Standard Industrial Classification (SIC) system. While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The 1997 Economic Census *Bridge Between NAICS and SIC* demonstrates the relationships between NAICS and SIC industries. Where changes are significant, it may not be possible to construct time series that include data for points both before and after 1997.

Most industry classifications remained unchanged between 1997 and 2002, but NAICS 2002 includes substantial revisions within the construction and wholesale trade sectors, and a number of revisions for the retail trade and information sectors. These changes are noted in industry definitions and will be demonstrated in the *Bridge Between NAICS 2002 and NAICS 1997*.

For 2002, data for enterprise support establishments (those functioning primarily to support the activities of their company's operating establishments, such as a warehouse or a research and development laboratory) are included in the industry that reflects their activities (such as warehousing). For 1997, such establishments were termed auxiliaries and were excluded from industry totals.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company. (For selected industries, only payroll, employment, and classification are collected for individual establishments, while other data are collected on a consolidated basis.)

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for states, metropolitan and micropolitan statistical areas, counties, and corporate municipalities (places) including cities, towns, townships, villages, and boroughs. Respondents were required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from administrative sources is used as a basis for coding.

AVAILABILITY OF ADDITIONAL DATA

All results of the 2002 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on digital versatile discs (DVD-ROMs) for sale by the Census Bureau. The American FactFinder system at the Internet site allows selective retrieval and downloading of the data. For more information, including a description of reports being issued, see the Internet site, write to the U.S. Census Bureau, Washington, DC 20233-6100, or call Customer Services at 301-763-4100.

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart

from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some service trades in 1933. Censuses of construction, manufacturing, and the other business censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated, providing comparable census data across economic sectors and using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census report forms.

The range of industries covered in the economic census expanded between 1967 and 2002. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity. New for 2002 is coverage of four industries classified in the agriculture, forestry, and fishing sector under the SIC system: landscape architectural services, landscaping services, veterinary services, and pet care services.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. Reports for 1997 were published primarily on the Internet and copies of 1992 reports are also available there. CD-ROMs issued from the 1987, 1992, and 1997 Economic Censuses contain databases that include all or nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for the 2002 Economic Census and related surveys is published in the *Guide to the 2002 Economic Census* at www.census.gov/econ/census02/guide. More information on the methodology, procedures, and history of the census will be published in the *History of the 2002 Economic Census* at www.census.gov/econ/www/history.html.

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Transportation and Warehousing

SCOPE

The Transportation and Warehousing sector (sector 48-49) includes industries providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to modes of transportation. Establishments in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation are air, rail, water, road, and pipeline.

The Transportation and Warehousing sector distinguishes three basic types of activities: subsectors for each mode of transportation, a subsector for warehousing and storage, and a subsector for establishments providing support activities for transportation. In addition, there are subsectors for establishments that provide passenger transportation for scenic and sightseeing purposes, postal services, and courier services.

A separate subsector for support activities is established in the sector because, first, support activities for transportation are inherently multimodal, such as freight transportation arrangement, or have multimodal aspects. Secondly, there are production process similarities among the support activity industries.

One of the support activities identified in the support activity subsector is the routine repair and maintenance of transportation equipment (e.g., aircraft at an airport, railroad rolling stock at a railroad terminal, or ships at a harbor or port facility). Such establishments do not perform complete overhauling or rebuilding of transportation equipment (i.e., periodic restoration of transportation equipment to original design specifications) or transportation equipment conversion (i.e., major modification to systems). An establishment that primarily performs factory (or shipyard) overhauls, rebuilding, or conversions of aircraft, railroad rolling stock, or a ship is classified in Subsector 336, Transportation Equipment Manufacturing according to the type of equipment.

Many of the establishments in this sector often operate on networks, with physical facilities, labor forces, and equipment spread over an extensive geographic area.

Warehousing establishments in this sector are distinguished from merchant wholesaling in that the warehouse establishments do not sell the goods.

The tabulations for this sector include warehousing establishments that primarily serve other establishments of the same enterprise.

Exclusions. The economic census does not include the following industries: NAICS 482, Railroad Transportation, and NAICS 491, Postal Service. Further, for NAICS 48111, Scheduled Air Transportation, data do not include large certificated passenger carriers that report to the Office of Airline Information, U.S. Department of Transportation. Also, excluded from this sector are establishments primarily engaged in providing travel agent services that support transportation and other establishments, such as hotels, businesses, and government agencies. These establishments are classified in Sector 56, Administrative and Support and Waste Management and Remediation Services. Also, establishments primarily engaged in providing rental and leasing of transportation equipment without operator are classified in Subsector 532, Rental and Leasing Services.

The tabulations for this sector do not include central administrative offices or other establishments that serve transportation and warehousing establishments within the same organization. Data for such establishments are classified according to the nature of the service they provide. For example, separate headquarters establishments are reported in NAICS sector 55, Management of Companies and Enterprises.

The reports described below exclude establishments of firms with no paid employees. These “nonemployers,” typically self-employed individuals or partnerships operating businesses that they have not chosen to incorporate, are reported separately in *Nonemployer Statistics*. The contribution of nonemployers, relatively large for this sector, may be examined at www.census.gov/nonemployerimpact.

Definitions. Industry categories are defined in Appendix B, NAICS Codes, Titles, and Descriptions. Other terms are defined in Appendix A, Explanation of Terms.

REPORTS

The following reports provide statistics on this sector.

Industry Series. There are nine reports, each covering a group of related industries. The reports present, by kind of business for the United States, general statistics for establishments of firms with payroll on number of establishments, revenue, payroll, and employment; comparative statistics for 2002 and 1997; product lines; and concentration of business activity in the largest firms. The data in industry reports are preliminary and subject to change in the following reports.

Geographic Area Series. There is a separate report for each state, the District of Columbia, and the United States. Each state report presents, for establishments of firms with payroll, general statistics on number of establishments, revenue, payroll, and employment by kind of business for the state and metropolitan and micropolitan statistical areas. Greater kind-of-business detail is shown for larger areas. The United States report presents data for the United States as a whole for detailed kind-of-business classifications.

Subject Series:

- **Product Lines.** This report presents product lines data for establishments of firms with payroll by kind of business. Data are presented for the United States only.
- **Establishment and Firm Size (Including Legal Form of Organization).** This report presents revenue, payroll, and employment data for the United States by revenue size, by employment size, and by legal form of organization for establishments of firms with payroll; and by revenue size (including concentration by largest firms), by employment size, and by number of establishments operated (single units and multiunits) for firms with payroll.
- **Miscellaneous Subjects.** This report presents data for a variety of industry-specific topics for establishments of firms with payroll. Presentation of data varies by kind of business.

Other reports. Data for this sector are also included in reports with multisector coverage, including *Nonemployer Statistics*, *Comparative Statistics*, *Bridge Between 2002 NAICS and 1997 NAICS*, *Business Expenses*, and the Survey of Business Owners reports.

GEOGRAPHIC AREAS COVERED

The level of geographic detail varies by report. Maps are available at www.census.gov/econ2002maps. Notes specific to areas in the state are included in Appendix D, Geographic Notes. Data may be presented for –

1. The United States as a whole.
2. States and the District of Columbia.
3. Metropolitan and micropolitan statistical areas. A core based statistical area (CBSA) contains a core area with a substantial population nucleus, together with adjacent communities having a high degree of social and economic integration with that core. CBSAs are differentiated into metropolitan and micropolitan statistical areas based on size criteria. Both metropolitan and micropolitan statistical areas are defined in terms of entire counties, and are listed in Appendix E, Metropolitan and Micropolitan Statistical Areas.
 - a. Metropolitan Statistical Areas (metro areas). Metro areas have at least one urbanized area of 50,000 or more population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.

-
- b. Micropolitan Statistical Areas (micro areas). Micro areas have at least one urban cluster of at least 10,000 but less than 50,000 population, plus adjacent territory that has a high degree of social and economic integration with the core as measured by commuting ties.
 - c. Metropolitan Divisions (metro divisions). If specified criteria are met, a metro area containing a single core with a population of 2.5 million or more may be subdivided to form smaller groupings of counties referred to as Metropolitan Divisions.
 - d. Combined Statistical Areas (combined areas). If specified criteria are met, adjacent metro and micro areas, in various combinations, may become the components of a new set of areas called Combined Statistical Areas. The areas that combine retain their own designations as metro or micro areas within the larger combined area.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 2002 data are expressed in 2002 dollars, and 1997 data, in 1997 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

COMPARABILITY OF THE 1997 AND 2002 ECONOMIC CENSUSES

Both the 2002 Economic Census and the 1997 Economic Census present data based on the North American Industry Classification System (NAICS). While there were revisions to some industries for 2002, none of those affect this sector.

These tables for 2002 include transportation and warehousing establishments that primarily serve other establishments of the same enterprise. These “enterprise support” establishments were not included in data for this sector in 1997, but were instead included in the “Other auxiliary establishments” kind-of-business category in the “Auxiliaries, Excluding Corporate, Subsidiary, and Regional Managing Offices” reports.

RELIABILITY OF DATA

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data. Data presented in the Miscellaneous Subjects and Product Lines reports for this sector are subject to sampling errors, as well as nonsampling errors.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data, as by the percentages shown in the tables. Precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors. More information on the reliability of the data is included in Appendix C, Methodology.

DISCLOSURE

In accordance with federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or business. However, the number of establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Service Annual Survey (SAS) each year. This survey, while providing more frequent observations, yields less kind-of-business and geographic detail than the economic census. In addition, the County Business Patterns program offers annual statistics on the

number of establishments, employment, and payroll classified by industry within each county, and Statistics of U.S. Businesses provides annual statistics classified by the employment size of the enterprise, further classified by industry for the United States, and by broader categories for states and metropolitan areas.

CONTACTS FOR DATA USERS

Questions about these data may be directed to the U.S. Census Bureau, Service Sector Statistics Division, Utilities and Financial Census Branch, 1-800-541-8345 or ucb@census.gov.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with these data:

D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals
N	Not available or not comparable
S	Withheld because estimates did not meet publication standards
X	Not applicable
Z	Less than half the unit shown
a	0 to 19 employees
b	20 to 99 employees
c	100 to 249 employees
e	250 to 499 employees
f	500 to 999 employees
g	1,000 to 2,499 employees
h	2,500 to 4,999 employees
i	5,000 to 9,999 employees
j	10,000 to 24,999 employees
k	25,000 to 49,999 employees
l	50,000 to 99,999 employees
m	100,000 employees or more
r	Revised
–	Represents zero (page image/print only)
(CC)	Consolidated city
(IC)	Independent city

Table 1. Summary Statistics for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Kind of business	Estab- lishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of revenue—	
							From admin- istrative records ¹	Estimated ²
493	Warehousing and storage	12 637	17 924 787	18 689 122	4 620 126	639 174	5.7	10.7
4931	Warehousing and storage	12 637	17 924 787	18 689 122	4 620 126	639 174	5.7	10.7
49311	General warehousing and storage	8 194	9 816 692	13 357 480	3 306 110	454 165	6.5	11.4
493110	General warehousing and storage	8 194	9 816 692	13 357 480	3 306 110	454 165	6.5	11.4
49312	Refrigerated warehousing and storage	1 255	3 064 276	1 568 093	373 184	49 250	3.7	9.5
493120	Refrigerated warehousing and storage	1 255	3 064 276	1 568 093	373 184	49 250	3.7	9.5
49313	Farm product warehousing and storage	716	863 737	324 828	78 871	11 059	12.9	17.1
493130	Farm product warehousing and storage	716	863 737	324 828	78 871	11 059	12.9	17.1
49319	Other warehousing and storage	2 472	4 180 082	3 438 721	861 961	124 700	4.0	8.5
493190	Other warehousing and storage	2 472	4 180 082	3 438 721	861 961	124 700	4.0	8.5
4931901	Household goods warehousing and storage	720	624 541	1 243 943	314 849	59 872	8.3	13.2
4931902	Specialized goods warehousing and storage	1 752	3 555 541	2 194 778	547 112	64 828	3.2	7.7

¹Includes revenue information obtained from administrative records of other federal agencies.

²Includes revenue information that was imputed based on historic data, administrative data, industry averages, or other statistical methods.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 2. Comparative Statistics for the United States (1997 NAICS Basis): 2002 and 1997

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 and 1997 Economic Censuses. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

1997 NAICS code	Kind of business	Establishments (number)	Revenue (\$1,000)	Annual payroll (\$1,000)	Paid employees for pay period including March 12 (number)
493	Warehousing and storage 2002..	12 637	17 924 787	18 689 122	639 174
	..... 1997..	6 497	10 657 925	2 926 119	109 760
4931	Warehousing and storage 2002..	12 637	17 924 787	18 689 122	639 174
	..... 1997..	6 497	10 657 925	2 926 119	109 760
49311	General warehousing and storage 2002..	8 194	9 816 692	13 357 480	454 165
	..... 1997..	3 921	5 321 389	1 623 028	62 784
493110	General warehousing and storage 2002..	8 194	9 816 692	13 357 480	454 165
	..... 1997..	3 921	5 321 389	1 623 028	62 784
49312	Refrigerated warehousing and storage 2002..	1 255	3 064 276	1 568 093	49 250
	..... 1997..	877	2 270 327	609 584	22 121
493120	Refrigerated warehousing and storage 2002..	1 255	3 064 276	1 568 093	49 250
	..... 1997..	877	2 270 327	609 584	22 121
49313	Farm product warehousing and storage 2002..	716	863 737	324 828	11 059
	..... 1997..	486	673 198	118 542	5 280
493130	Farm product warehousing and storage 2002..	716	863 737	324 828	11 059
	..... 1997..	486	673 198	118 542	5 280
49319	Other warehousing and storage 2002..	2 472	4 180 082	3 438 721	124 700
	..... 1997..	1 213	2 393 011	574 965	19 575
493190	Other warehousing and storage 2002..	2 472	4 180 082	3 438 721	124 700
	..... 1997..	1 213	2 393 011	574 965	19 575
4931901	Household goods warehousing and storage 2002..	720	624 541	1 243 943	59 872
	..... 1997..	317	451 574	141 630	6 158
4931902	Specialized goods warehousing and storage 2002..	1 752	3 555 541	2 194 778	64 828
	..... 1997..	896	1 941 437	433 335	13 417

Note: The data in this table are based on the 2002 and 1997 Economic Censuses. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 3. Product Lines by Kind of Business for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line revenue			Response coverage ² (percent)
			Number	Total revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total revenue of—		
						Estab- lishments with the product line	All estab- lishments ¹	
493		Warehousing and storage	12 637	X	17 924 787	X	100.0	71.3
	42000	Local motor carrier revenue	1 387	3 053 252	514 925	16.9	2.9	X
	42010	Long-distance motor carrier revenue	572	1 779 938	375 230	21.1	2.1	X
	42020	Courier and messenger services, including parcel delivery	211	324 940	48 105	14.8	.3	X
	42030	Contract warehousing and storage	4 108	9 779 729	6 841 471	70.0	38.2	X
	42040	Public warehousing and storage	3 460	7 143 694	4 904 971	68.7	27.4	X
	42050	Process, physical distribution, and logistics consulting	211	349 978	59 691	17.1	.3	X
	42060	Packing/packaging services related to motor carrier and storage activities	1 139	2 781 847	817 061	29.4	4.6	X
	42070	Order assembly services related to motor carrier and storage activities .	339	706 983	164 387	23.3	.9	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	451	1 018 716	368 311	36.2	2.1	X
	42090	Other related motor carrier and storage services	1 833	4 473 806	1 624 075	36.3	9.1	X
	43200	Collection of garbage and trash, excluding hazardous waste	19	25 452	1 072	4.2	Z	X
	43250	Hazardous waste collection	7	71 040	612	.9	Z	X
	43650	Repair and maintenance, including parts installed	114	176 597	16 670	9.4	.1	X
	43750	Sales of other merchandise	1 093	3 363 595	1 999 310	59.4	11.2	X
	49810	All other operating revenue	874	1 834 408	188 896	10.3	1.1	X
4931		Warehousing and storage	12 637	X	17 924 787	X	100.0	71.3
	42000	Local motor carrier revenue	1 387	3 053 252	514 925	16.9	2.9	X
	42010	Long-distance motor carrier revenue	572	1 779 938	375 230	21.1	2.1	X
	42020	Courier and messenger services, including parcel delivery	211	324 940	48 105	14.8	.3	X
	42030	Contract warehousing and storage	4 108	9 779 729	6 841 471	70.0	38.2	X
	42040	Public warehousing and storage	3 460	7 143 694	4 904 971	68.7	27.4	X
	42050	Process, physical distribution, and logistics consulting	211	349 978	59 691	17.1	.3	X
	42060	Packing/packaging services related to motor carrier and storage activities	1 139	2 781 847	817 061	29.4	4.6	X
	42070	Order assembly services related to motor carrier and storage activities .	339	706 983	164 387	23.3	.9	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	451	1 018 716	368 311	36.2	2.1	X
	42090	Other related motor carrier and storage services	1 833	4 473 806	1 624 075	36.3	9.1	X
	43200	Collection of garbage and trash, excluding hazardous waste	19	25 452	1 072	4.2	Z	X
	43250	Hazardous waste collection	7	71 040	612	.9	Z	X
	43650	Repair and maintenance, including parts installed	114	176 597	16 670	9.4	.1	X
	43750	Sales of other merchandise	1 093	3 363 595	1 999 310	59.4	11.2	X
	49810	All other operating revenue	874	1 834 408	188 896	10.3	1.1	X
49311		General warehousing and storage	8 194	X	9 816 692	X	100.0	65.6
	42000	Local motor carrier revenue	1 042	2 301 161	422 606	18.4	4.3	X
	42010	Long-distance motor carrier revenue	433	1 263 802	241 701	19.1	2.5	X
	42020	Courier and messenger services, including parcel delivery	191	307 662	47 155	15.3	.5	X
	42030	Contract warehousing and storage	2 674	5 595 366	4 008 100	71.6	40.8	X
	42040	Public warehousing and storage	2 347	3 951 411	2 558 423	64.7	26.1	X
	42050	Process, physical distribution, and logistics consulting	189	298 561	49 724	16.7	.5	X
	42060	Packing/packaging services related to motor carrier and storage activities	863	2 087 406	645 591	30.9	6.6	X
	42070	Order assembly services related to motor carrier and storage activities .	265	559 923	133 621	23.9	1.4	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	329	691 732	280 833	40.6	2.9	X
	42090	Other related motor carrier and storage services	1 185	2 400 215	936 558	39.0	9.5	X
	43200	Collection of garbage and trash, excluding hazardous waste	16	20 781	1 034	5.0	Z	X
	43650	Repair and maintenance, including parts installed	74	109 830	5 266	4.8	.1	X
	43750	Sales of other merchandise	449	710 467	381 672	53.7	3.9	X
	49810	All other operating revenue	542	1 060 690	104 408	9.8	1.1	X
493110		General warehousing and storage	8 194	X	9 816 692	X	100.0	65.6
	42000	Local motor carrier revenue	1 042	2 301 161	422 606	18.4	4.3	X
	42010	Long-distance motor carrier revenue	433	1 263 802	241 701	19.1	2.5	X
	42020	Courier and messenger services, including parcel delivery	191	307 662	47 155	15.3	.5	X
	42030	Contract warehousing and storage	2 674	5 595 366	4 008 100	71.6	40.8	X
	42040	Public warehousing and storage	2 347	3 951 411	2 558 423	64.7	26.1	X
	42050	Process, physical distribution, and logistics consulting	189	298 561	49 724	16.7	.5	X
	42060	Packing/packaging services related to motor carrier and storage activities	863	2 087 406	645 591	30.9	6.6	X
	42070	Order assembly services related to motor carrier and storage activities .	265	559 923	133 621	23.9	1.4	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	329	691 732	280 833	40.6	2.9	X
	42090	Other related motor carrier and storage services	1 185	2 400 215	936 558	39.0	9.5	X
	43200	Collection of garbage and trash, excluding hazardous waste	16	20 781	1 034	5.0	Z	X
	43650	Repair and maintenance, including parts installed	74	109 830	5 266	4.8	.1	X
	43750	Sales of other merchandise	449	710 467	381 672	53.7	3.9	X
	49810	All other operating revenue	542	1 060 690	104 408	9.8	1.1	X
49312		Refrigerated warehousing and storage	1 255	X	3 064 276	X	100.0	80.8
	42000	Local motor carrier revenue	150	387 163	35 872	9.3	1.2	X
	42010	Long-distance motor carrier revenue	40	266 585	67 304	25.2	2.2	X
	42020	Courier and messenger services, including parcel delivery	9	9 405	123	1.3	Z	X
	42030	Contract warehousing and storage	380	1 035 939	689 506	66.6	22.5	X
	42040	Public warehousing and storage	612	2 154 762	1 523 379	70.7	49.7	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census.]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line revenue			Response coverage ² (percent)
			Number	Total revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total revenue of—		
						Estab- lishments with the product line	All estab- lishments ¹	
49312		Refrigerated warehousing and storage—Con.						
	42050	Process, physical distribution, and logistics consulting	7	14 827	582	3.9	Z	X
	42060	Packing/packaging services related to motor carrier and storage activities	84	287 508	75 390	26.2	2.5	X
	42070	Order assembly services related to motor carrier and storage activities .	57	124 286	24 813	20.0	.8	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	46	146 557	35 076	23.9	1.1	X
	42090	Other related motor carrier and storage services	217	1 075 498	323 497	30.1	10.6	X
	43650	Repair and maintenance, including parts installed	12	10 232	368	3.6	Z	X
	43750	Sales of other merchandise	31	292 783	249 491	85.2	8.1	X
	49810	All other operating revenue	154	305 062	38 844	12.7	1.3	X
493120		Refrigerated warehousing and storage	1 255	X	3 064 276	X	100.0	80.8
	42000	Local motor carrier revenue	150	387 163	35 872	9.3	1.2	X
	42010	Long-distance motor carrier revenue	40	266 585	67 304	25.2	2.2	X
	42020	Courier and messenger services, including parcel delivery	9	9 405	123	1.3	Z	X
	42030	Contract warehousing and storage	380	1 035 939	689 506	66.6	22.5	X
	42040	Public warehousing and storage	612	2 154 762	1 523 379	70.7	49.7	X
	42050	Process, physical distribution, and logistics consulting	7	14 827	582	3.9	Z	X
	42060	Packing/packaging services related to motor carrier and storage activities	84	287 508	75 390	26.2	2.5	X
	42070	Order assembly services related to motor carrier and storage activities .	57	124 286	24 813	20.0	.8	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	46	146 557	35 076	23.9	1.1	X
	42090	Other related motor carrier and storage services	217	1 075 498	323 497	30.1	10.6	X
	43650	Repair and maintenance, including parts installed	12	10 232	368	3.6	Z	X
	43750	Sales of other merchandise	31	292 783	249 491	85.2	8.1	X
	49810	All other operating revenue	154	305 062	38 844	12.7	1.3	X
49313		Farm product warehousing and storage	716	X	863 737	X	100.0	62.0
	42000	Local motor carrier revenue	15	41 323	6 926	16.8	.8	X
	42010	Long-distance motor carrier revenue	11	39 061	2 069	5.3	.2	X
	42030	Contract warehousing and storage	194	292 617	205 324	70.2	23.8	X
	42040	Public warehousing and storage	251	508 939	409 226	80.4	47.4	X
	42060	Packing/packaging services related to motor carrier and storage activities	36	57 077	13 469	23.6	1.6	X
	42070	Order assembly services related to motor carrier and storage activities .	6	10 980	3 217	29.3	.4	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	41	60 005	16 396	27.3	1.9	X
	42090	Other related motor carrier and storage services	190	242 872	81 187	33.4	9.4	X
	43750	Sales of other merchandise	108	191 373	111 593	58.3	12.9	X
	49810	All other operating revenue	85	161 951	13 133	8.1	1.5	X
493130		Farm product warehousing and storage	716	X	863 737	X	100.0	62.0
	42000	Local motor carrier revenue	15	41 323	6 926	16.8	.8	X
	42010	Long-distance motor carrier revenue	11	39 061	2 069	5.3	.2	X
	42030	Contract warehousing and storage	194	292 617	205 324	70.2	23.8	X
	42040	Public warehousing and storage	251	508 939	409 226	80.4	47.4	X
	42060	Packing/packaging services related to motor carrier and storage activities	36	57 077	13 469	23.6	1.6	X
	42070	Order assembly services related to motor carrier and storage activities .	6	10 980	3 217	29.3	.4	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	41	60 005	16 396	27.3	1.9	X
	42090	Other related motor carrier and storage services	190	242 872	81 187	33.4	9.4	X
	43750	Sales of other merchandise	108	191 373	111 593	58.3	12.9	X
	49810	All other operating revenue	85	161 951	13 133	8.1	1.5	X
49319		Other warehousing and storage	2 472	X	4 180 082	X	100.0	79.6
	42000	Local motor carrier revenue	180	323 605	49 521	15.3	1.2	X
	42010	Long-distance motor carrier revenue	88	210 490	64 156	30.5	1.5	X
	42020	Courier and messenger services, including parcel delivery	9	7 520	827	11.0	Z	X
	42030	Contract warehousing and storage	860	2 855 807	1 938 541	67.9	46.4	X
	42040	Public warehousing and storage	250	528 582	413 943	78.3	9.9	X
	42050	Process, physical distribution, and logistics consulting	13	33 381	8 266	24.8	.2	X
	42060	Packing/packaging services related to motor carrier and storage activities	156	349 856	82 611	23.6	2.0	X
	42070	Order assembly services related to motor carrier and storage activities .	11	11 794	2 736	23.2	.1	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	35	120 422	36 006	29.9	.9	X
	42090	Other related motor carrier and storage services	241	755 221	282 833	37.5	6.8	X
	43650	Repair and maintenance, including parts installed	24	55 807	10 958	19.6	.3	X
	43750	Sales of other merchandise	505	2 168 972	1 256 554	57.9	30.1	X
	49810	All other operating revenue	93	306 705	32 511	10.6	.8	X
493190		Other warehousing and storage	2 472	X	4 180 082	X	100.0	79.6
	42000	Local motor carrier revenue	180	323 605	49 521	15.3	1.2	X
	42010	Long-distance motor carrier revenue	88	210 490	64 156	30.5	1.5	X
	42020	Courier and messenger services, including parcel delivery	9	7 520	827	11.0	Z	X
	42030	Contract warehousing and storage	860	2 855 807	1 938 541	67.9	46.4	X
	42040	Public warehousing and storage	250	528 582	413 943	78.3	9.9	X

See footnotes at end of table.

Table 3. Product Lines by Kind of Business for the United States: 2002—Con.

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only establishments of firms with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	2002 Product line code	Kind of business and product line	Establishments with the product line		Product line revenue			Response coverage ² (percent)
			Number	Total revenue (\$1,000)	Amount ¹ (\$1,000)	As percent of total revenue of—		
						Estab- lishments with the product line	All estab- lishments ¹	
493190		Other warehousing and storage—Con.						
	42050	Process, physical distribution, and logistics consulting	13	33 381	8 266	24.8	.2	X
	42060	Packing/packaging services related to motor carrier and storage activities	156	349 856	82 611	23.6	2.0	X
	42070	Order assembly services related to motor carrier and storage activities .	11	11 794	2 736	23.2	.1	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	35	120 422	36 006	29.9	.9	X
	42090	Other related motor carrier and storage services	241	755 221	282 833	37.5	6.8	X
	43650	Repair and maintenance, including parts installed	24	55 807	10 958	19.6	.3	X
	43750	Sales of other merchandise	505	2 168 972	1 256 554	57.9	30.1	X
	49810	All other operating revenue	93	306 705	32 511	10.6	.8	X
4931901		Household goods warehousing and storage	720	X	624 541	X	100.0	70.4
	42000	Local motor carrier revenue	126	140 251	25 440	18.1	4.1	X
	42010	Long-distance motor carrier revenue	65	120 547	37 667	31.2	6.0	X
	42030	Contract warehousing and storage	130	287 313	217 552	75.7	34.8	X
	42040	Public warehousing and storage	107	89 413	48 527	54.3	7.8	X
	42060	Packing/packaging services related to motor carrier and storage activities	116	141 820	28 053	19.8	4.5	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	11	24 109	10 561	43.8	1.7	X
	42090	Other related motor carrier and storage services	79	121 440	43 716	36.0	7.0	X
	43650	Repair and maintenance, including parts installed	12	48 784	9 240	18.9	1.5	X
	43750	Sales of other merchandise	74	214 310	194 436	90.7	31.1	X
	49810	All other operating revenue	39	64 754	7 496	11.6	1.2	X
4931902		Specialized goods warehousing and storage	1 752	X	3 555 541	X	100.0	81.2
	42000	Local motor carrier revenue	54	183 354	24 081	13.1	.7	X
	42010	Long-distance motor carrier revenue	23	89 943	26 489	29.5	.7	X
	42030	Contract warehousing and storage	730	2 568 494	1 720 989	67.0	48.4	X
	42040	Public warehousing and storage	143	439 169	365 416	83.2	10.3	X
	42050	Process, physical distribution, and logistics consulting	11	26 905	8 202	30.5	.2	X
	42060	Packing/packaging services related to motor carrier and storage activities	40	208 036	54 558	26.2	1.5	X
	42070	Order assembly services related to motor carrier and storage activities .	7	9 787	1 678	17.1	Z	X
	42080	Physical processing/transforming of goods related to motor carrier and storage activities	24	96 313	25 445	26.4	.7	X
	42090	Other related motor carrier and storage services	162	633 781	239 117	37.7	6.7	X
	43650	Repair and maintenance, including parts installed	12	7 023	1 718	24.5	Z	X
	43750	Sales of other merchandise	431	1 954 662	1 062 118	54.3	29.9	X
	49810	All other operating revenue	54	241 951	25 015	10.3	.7	X

¹Product line revenue and/or product line percents may not sum to totals due to exclusion of selected lines to avoid disclosing data for individual companies, due to rounding, and/or due to exclusion of lines that did not meet publication criteria.

²Revenue of establishments reporting product line revenue as percent of total revenue.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Table 4. Concentration by Largest Firms for the United States: 2002

[These data are preliminary and are subject to change; they will be superseded by data released in later reports. Includes only firms and establishments of firms with payroll. Excludes data for corporate, subsidiary, and regional managing offices and establishments of these firms that are classified in other categories than those specified in this table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For method of assignment to categories shown, see Appendix C. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see note at end of table. Enterprise support establishments are included. Because of this, comparability to 1997 Economic Census data may be limited. See introductory text for an explanation of the treatment of enterprise support establishments in the 2002 Economic Census compared to the 1997 Economic Census]

2002 NAICS code	Kind of business and largest firms based on revenue	Establishments (number)	Revenue		Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)
			Amount (\$1,000)	As percent of total			
493	Warehousing and storage						
	All firms	12 637	17 924 787	100.0	18 689 122	4 620 126	639 174
	4 largest firms	347	2 468 136	13.8	869 869	195 037	31 456
	8 largest firms	498	3 320 160	18.5	1 086 146	248 910	39 131
	20 largest firms	816	4 963 522	27.7	1 497 209	345 422	50 830
	50 largest firms	1 214	6 901 291	38.5	2 045 006	485 760	68 534
4931	Warehousing and storage						
	All firms	12 637	17 924 787	100.0	18 689 122	4 620 126	639 174
	4 largest firms	347	2 468 136	13.8	869 869	195 037	31 456
	8 largest firms	498	3 320 160	18.5	1 086 146	248 910	39 131
	20 largest firms	816	4 963 522	27.7	1 497 209	345 422	50 830
	50 largest firms	1 214	6 901 291	38.5	2 045 006	485 760	68 534
49311	General warehousing and storage						
	All firms	8 194	9 816 692	100.0	13 357 480	3 306 110	454 165
	4 largest firms	184	1 040 721	10.6	471 220	100 108	14 467
	8 largest firms	298	1 596 172	16.3	612 805	133 081	18 591
	20 largest firms	513	2 471 061	25.2	909 323	206 094	29 224
	50 largest firms	730	3 523 296	35.9	1 320 141	306 375	41 431
493110	General warehousing and storage						
	All firms	8 194	9 816 692	100.0	13 357 480	3 306 110	454 165
	4 largest firms	184	1 040 721	10.6	471 220	100 108	14 467
	8 largest firms	298	1 596 172	16.3	612 805	133 081	18 591
	20 largest firms	513	2 471 061	25.2	909 323	206 094	29 224
	50 largest firms	730	3 523 296	35.9	1 320 141	306 375	41 431
49312	Refrigerated warehousing and storage						
	All firms	1 255	3 064 276	100.0	1 568 093	373 184	49 250
	4 largest firms	143	1 098 859	35.9	280 331	68 855	10 649
	8 largest firms	214	1 548 139	50.5	389 507	94 962	14 062
	20 largest firms	282	1 890 112	61.7	476 686	115 393	16 731
	50 largest firms	354	2 276 014	74.3	576 056	138 648	19 688
493120	Refrigerated warehousing and storage						
	All firms	1 255	3 064 276	100.0	1 568 093	373 184	49 250
	4 largest firms	143	1 098 859	35.9	280 331	68 855	10 649
	8 largest firms	214	1 548 139	50.5	389 507	94 962	14 062
	20 largest firms	282	1 890 112	61.7	476 686	115 393	16 731
	50 largest firms	354	2 276 014	74.3	576 056	138 648	19 688
49313	Farm product warehousing and storage						
	All firms	716	863 737	100.0	324 828	78 871	11 059
	4 largest firms	28	148 144	17.2	15 603	3 688	557
	8 largest firms	75	240 743	27.9	24 931	5 849	871
	20 largest firms	100	405 640	47.0	43 011	10 356	1 465
	50 largest firms	144	595 584	69.0	66 352	15 533	2 261
493130	Farm product warehousing and storage						
	All firms	716	863 737	100.0	324 828	78 871	11 059
	4 largest firms	28	148 144	17.2	15 603	3 688	557
	8 largest firms	75	240 743	27.9	24 931	5 849	871
	20 largest firms	100	405 640	47.0	43 011	10 356	1 465
	50 largest firms	144	595 584	69.0	66 352	15 533	2 261
49319	Other warehousing and storage						
	All firms	2 472	4 180 082	100.0	3 438 721	861 961	124 700
	4 largest firms	206	1 616 886	38.7	413 672	98 868	16 074
	8 largest firms	265	1 970 615	47.1	465 714	112 482	17 227
	20 largest firms	354	2 611 556	62.5	549 943	134 310	19 182
	50 largest firms	453	3 221 530	77.1	704 723	173 652	24 036
493190	Other warehousing and storage						
	All firms	2 472	4 180 082	100.0	3 438 721	861 961	124 700
	4 largest firms	206	1 616 886	38.7	413 672	98 868	16 074
	8 largest firms	265	1 970 615	47.1	465 714	112 482	17 227
	20 largest firms	354	2 611 556	62.5	549 943	134 310	19 182
	50 largest firms	453	3 221 530	77.1	704 723	173 652	24 036
4931901	Household goods warehousing and storage						
	All firms	720	624 541	100.0	1 243 943	314 849	59 872
	4 largest firms	19	300 077	48.0	15 430	4 082	628
	8 largest firms	25	368 709	59.0	39 985	10 256	1 390
	20 largest firms	59	441 143	70.6	84 285	20 834	2 870
	50 largest firms	117	528 516	84.6	150 562	37 581	5 271
4931902	Specialized goods warehousing and storage						
	All firms	1 752	3 555 541	100.0	2 194 778	547 112	64 828
	4 largest firms	231	1 570 490	44.2	415 111	98 894	15 461
	8 largest firms	269	1 871 426	52.6	462 819	111 272	16 936
	20 largest firms	338	2 408 767	67.7	542 209	132 676	18 788
	50 largest firms	442	2 911 139	81.9	677 388	166 128	22 980

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling error. Data users who create their own estimates using data from this table should cite the Census Bureau as the source of the original data only. See also explanation of terms and geographic definitions. For the full technical documentation, see Appendix C.

Appendix A.

Explanation of Terms

ANNUAL PAYROLL

Payroll includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation allowances, sick-leave pay, and employee contributions to qualified pension plans paid during the year to all employees and reported on Internal Revenue Service (IRS) Form 941 as taxable Medicare Wages and tips (even if not subject to income or FICA tax). For corporations, payroll includes amounts paid to officers and executives; for unincorporated businesses, it does not include profit or other compensation of proprietors or partners. Payroll is reported before deductions for social security, income tax, insurance, union dues, etc. This definition of payroll is the same as that used by the IRS on Form 941.

ESTABLISHMENTS

An establishment is a single physical location at which business is conducted. It is not necessarily identical to a company or enterprise, which may consist of one establishment or more. Economic census figures represent a summary of reports for individual establishments rather than companies. For cases where a census report was received, separate information was obtained for each location where business was conducted. When administrative records of other federal agencies were used instead of a census report, no information was available on the number of locations operated. Each economic census establishment was tabulated according to the physical location at which the business was conducted. The count of establishments represents those in business at any time during 2002.

When two or more activities were carried on at a single location under a single ownership, all activities generally were grouped together as a single establishment. The entire establishment was classified on the basis of its major activity and all data for it were included in that classification. However, when distinct and separate economic activities (for which different industry classification codes were appropriate) were conducted at a single location under a single ownership, separate establishment reports for each of the different activities were obtained in the census.

FIRMS

A firm is a business organization or entity consisting of one domestic establishment (location) or more under common ownership or control. All establishments of subsidiary firms are included as part of the owning or controlling firm. For the economic census, the terms “firm” and “company” are synonymous.

FIRST-QUARTER PAYROLL

Represents payroll paid to persons employed at any time during the quarter January to March 2002.

PAID EMPLOYEES FOR PAY PERIOD INCLUDING MARCH 12

Paid employees consist of full- and part-time employees, including salaried officers and executives of corporations, who were on the payroll during the pay period including March 12. Included are employees on paid sick leave, paid holidays, and paid vacations; not included are proprietors and partners of unincorporated businesses; full- and part-time leased employees whose payroll was filed under an employee leasing company's Employer Identification Number (EIN); and temporary staffing obtained from a staffing service. The definition of paid employees is the same as that used by the Internal Revenue Service (IRS) on Form 941.

REVENUE

Includes revenue from all business activities whether or not payment was received in the census year. Revenue does not include sales and other taxes (including Hawaii's General Excise Tax) collected from customers and paid directly by the firm to a local, state, or federal tax agency.

Appendix B.

NAICS Codes, Titles, and Descriptions

PART 1. 2002 NAICS

493 WAREHOUSING AND STORAGE

Industries in the Warehousing and Storage subsector are primarily engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, and other warehouse products. These establishments provide facilities to store goods. They do not sell the goods they handle. These establishments take responsibility for storing the goods and keeping them secure. They may also provide a range of services, often referred to as logistics services, related to the distribution of goods. Logistics services can include labeling, breaking bulk, inventory control and management, light assembly, order entry and fulfillment, packaging, pick and pack, price marking and ticketing, and transportation arrangement. However, establishments in this industry group always provide warehousing or storage services in addition to any logistic services. Furthermore, the warehousing or storage of goods must be more than incidental to the performance of services, such as price marking.

Bonded warehousing and storage services and warehouses located in free trade zones are included in the industries of this subsector.

4931 WAREHOUSING AND STORAGE

This industry group includes establishments classified in the following NAICS industries: 49311, General Warehousing and Storage; 49312, Refrigerated Warehousing and Storage; 49313, Farm Product Warehousing and Storage; and 49319, Other Warehousing and Storage.

49311 GENERAL WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

493110 GENERAL WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

49312 REFRIGERATED WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

493120 REFRIGERATED WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

49313 FARM PRODUCT WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

493130 FARM PRODUCT WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

49319 OTHER WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

493190 OTHER WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

4931901 HOUSEHOLD GOODS WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in the storage of furniture and other household goods.

4931902 SPECIALIZED GOODS WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in the warehousing and storage of special products (except farm products, refrigerated products, general merchandise, household goods, and fur storage).

PART 2. 1997 NAICS

493 WAREHOUSING AND STORAGE

Industries in the Warehousing and Storage subsector are primarily engaged in operating warehousing and storage facilities for general merchandise, refrigerated goods, and other warehouse products. These establishments provide facilities to store goods. They do not sell the goods they handle. These establishments take responsibility for storing the goods and keeping them secure. They may also provide a range of services, often referred to as logistics services, related to the distribution of goods. Logistics services can include labeling, breaking bulk, inventory control and management, light assembly, order entry and fulfillment, packaging, pick and pack, price marking and ticketing, and transportation arrangement. However, establishments in this industry group always provide warehousing or storage services in addition to any logistic services. Furthermore, the warehousing or storage of goods must be more than incidental to the performance of services, such as price marking.

Bonded warehousing and storage services and warehouses located in free trade zones are included in the industries of this subsector.

4931 WAREHOUSING AND STORAGE

This industry group includes establishments classified in the following NAICS industries: 49311, General Warehousing and Storage; 49312, Refrigerated Warehousing and Storage; 49313, Farm Product Warehousing and Storage; and 49319, Other Warehousing and Storage.

49311 GENERAL WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

493110 GENERAL WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating merchandise warehousing and storage facilities. These establishments generally handle goods in containers, such as boxes, barrels, and/or drums, using equipment, such as forklifts, pallets, and racks. They are not specialized in handling bulk products of any particular type, size, or quantity of goods or products.

49312 REFRIGERATED WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

493120 REFRIGERATED WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating refrigerated warehousing and storage facilities. Establishments primarily engaged in the storage of furs for the trade are included in this industry. The services provided by these establishments include blast freezing, tempering, and modified atmosphere storage services.

49313 FARM PRODUCT WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

493130 FARM PRODUCT WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating bulk farm product warehousing and storage facilities (except refrigerated). Grain elevators primarily engaged in storage are included in this industry.

49319 OTHER WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

493190 OTHER WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in operating warehousing and storage facilities (except general merchandise, refrigerated, and farm product warehousing and storage).

4931901 HOUSEHOLD GOODS WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in the storage of furniture and other household goods.

4931902 SPECIALIZED GOODS WAREHOUSING AND STORAGE

This industry comprises establishments primarily engaged in the warehousing and storage of special products (except farm products, refrigerated products, general merchandise, household goods, and fur storage).

Appendix C.

Methodology

SOURCES OF THE DATA

For this sector, large- and medium-size firms, plus all firms known to operate more than one establishment, were sent report forms to be completed for each of their establishments and returned to the Census Bureau. For most very small firms, data from existing administrative records of other federal agencies were used instead. These records provide basic information on location, kind of business, revenue, payroll, number of employees, and legal form of organization.

Firms in the 2002 Economic Census are divided into those sent report forms and those not sent report forms. The coverage of and the method of obtaining census information from each are described below:

1. Establishments sent a report form:
 - a. Large employers, i.e., all multiestablishment firms, and all employer firms with payroll above a specified cutoff. (The term “employers” refers to firms with one or more paid employees at any time during 2002 as shown in the active administrative records of other federal agencies.)
 - b. A sample of small employers, i.e., single-establishment firms with payroll below a specified cutoff in classifications for which specialized data precludes reliance solely on administrative records sources. The sample was stratified by industry and geography.
2. Establishments not sent a report form:
 - a. Small employers, i.e., single-establishment firms with payroll below a specified cutoff, not selected into the small employer sample. Although the payroll cutoff varies by kind of business, small employers not sent a report form generally include firms with less than 10 employees and represent about 10 percent of total revenue of establishments covered in the census. Data on revenue, payroll, and employment for these small employers were derived or estimated from administrative records of other federal agencies.
 - b. All nonemployers, i.e., all firms subject to federal income tax with no paid employees during 2002. Revenue information for these firms was obtained from administrative records of other federal agencies. Although consisting of many firms, nonemployers account for less than 10 percent of total revenue of all establishments covered in the census. Data for nonemployers are not included in this report, but are released in the annual *Nonemployer Statistics* series.

The report forms used to collect information for establishments in this sector are available at help.econ.census.gov/econhelp/resources/.

A more detailed examination of census methodology is presented in the *History of the Economic Census* at www.census.gov/econ/www/history.html.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments are based on the *North American Industry Classification System, United States, 2002* manual. There were no changes between the 2002 edition and the 1997 edition affecting this sector. Tables at www.census.gov/epcd/naics02/ identify all industries that changed between the 1997 North American Industry Classification System (NAICS) and 2002 NAICS.

The method of assigning classifications and the level of detail at which establishments were classified depends on whether a report form was obtained for the establishment.

1. Establishments that returned a report form were classified on the basis of their self-designation, product line revenue, and responses to other industry-specific inquiries.
2. Establishments without a report form:
 - a. Small employers not sent a form were, where possible, classified on the basis of the most current kind-of-business classification available from one of the Census Bureau's current sample surveys or the 1997 Economic Census. Otherwise, the classification was obtained from administrative records of other federal agencies. If the census or administrative record classifications proved inadequate (none corresponded to a 2002 Economic Census classification in the detail required for employers), the firm was sent a brief inquiry requesting information necessary to assign a kind-of-business code.
 - b. Nonemployers were classified on the basis of information obtained from administrative records of other federal agencies.

RELIABILITY OF DATA

All data compiled in the economic census are subject to nonsampling errors. Nonsampling errors can be attributed to many sources during the development or execution of the census:

- inability to identify all cases in the actual universe;
- definition and classification difficulties;
- differences in the interpretation of questions;
- errors in recording or coding the data obtained; and
- other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

Data presented in the Miscellaneous Subjects and the Product Lines reports for this sector are subject to sampling errors, as well as nonsampling errors. Specifically, these data are estimated based on information obtained from census report forms mailed to all large employers and to a sample of small employers in the universe. Sampling errors affect these estimates, insofar, as they may differ from results that would be obtained from a complete enumeration.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data; however, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

The Census Bureau obtains limited information extracted from administrative records of other federal agencies, such as gross revenue from federal income tax records and employment and payroll from payroll tax records. This information is used in conjunction with other information available to the Census Bureau to develop estimates for nonemployers, small employers, and other establishments for which responses were not received in time for publication.

Key tables in this report include a column for "Percent of revenue from administrative records." This includes revenue information obtained from administrative records of other federal agencies. The "Percent of revenue estimated" includes revenue information that was imputed based on historic company ratios or administrative records, or on industry averages.

The Census Bureau recommends that data users incorporate this information into their analyses, as nonsampling error and sampling error could impact the conclusions drawn from economic census data.

TREATMENT OF NONRESPONSE

Census report forms included two different types of inquiries, “basic” and “industry-specific.” Data for the basic inquiries, which include location, kind of business or operation, revenue, payroll, and number of employees, were available from a combination of sources for all establishments. Data for industry-specific inquiries, tailored to the particular kinds of business or operation covered by the report form, were available only from establishments responding to those inquiries.

Data for industry-specific inquiries in this sector were expanded in most cases to account for establishments that did not respond to the particular inquiry for which data are presented. Unless otherwise noted in specific reports, data for industry-specific inquiries were expanded in direct relationship to total revenue of all establishments included in the category. In a few cases, expansion on the basis of the revenue item was not appropriate, and another basic data item was used as the basis for expansion of reported data to account for nonrespondents.

All reports in which industry-specific data were expanded include a coverage indicator for each publication category, which shows the revenue of establishments responding to the industry-specific inquiry as a percent of total revenue for all establishments for which data are shown. For some inquiries, coverage is determined by the ratio of total payroll or employment of establishments responding to the inquiry to total payroll or employment of all establishments in the category.

CONCENTRATION CATEGORIES

Concentration categories are based on aggregate revenue of all establishments operated by the same firm in a given kind-of-business classification or group for which data are presented. For example, a firm operating three transportation and warehousing establishments – a freight forwarding service (NAICS 488510), a packing and crating service (NAICS 488991), and a general merchandise warehousing and storage facility (NAICS 493110) – would be treated as three one-establishment firms at the most detailed NAICS level, as a two-establishment firm in NAICS 488 and a one-establishment firm in NAICS 493, and as a single three-establishment firm in Transportation and Warehousing totals (NAICS 48-49).

DISCLOSURE

In accordance with federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or business. However, the number of establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld. Techniques employed to limit disclosure are discussed at www.census.gov/epcd/ec02/disclosure.htm.

Appendix D. Geographic Notes

Not applicable for this report.

Appendix E. Metropolitan and Micropolitan Statistical Areas

Not applicable for this report.

